

**CLASS SPECIFICATION**  
**County of Fairfax, Virginia**

**CLASS CODE:** 5119     **TITLE:** ENGINEERING TECHNICIAN I     **GRADE:** S-14

**DEFINITION:**

Under supervision, performs routine to moderately complex technical engineering support work in the office, field, or laboratory; and performs related work as required.

**DISTINGUISHING CHARACTERISTICS OF THE CLASS:**

This class is distinguished from the Engineering Aide class in that the work is more technically-oriented and typically involves reviewing plans and assisting with preparation of detailed drawings.

**ILLUSTRATIVE DUTIES:**

Performs technical duties involving the application of paraprofessional engineering skills and techniques;

Assists in the preparation of detailed drawings, plans, and designs or routine projects involving sidewalks, trails or street lights, routine drainage studies, and minor segments of storm or sanitary sewer projects;

Performs varied and moderately difficult technical work in gathering, compiling, and analyzing data;

Uses or checks instruments for accuracy;

May conduct field surveys or inspections;

Works with other jurisdictions to resolve routine problems;

Prepares and presents findings;

Monitors actions taken;

Interprets and indexes plans;

Provides information to the public on a specific program area (i.e., street light program, gypsy moth program, sanitary sewer facilities);

May obtain samples of soil and/or construction materials for laboratory testing.

**REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:**

Knowledge of the principles and practices of the appropriate field of engineering;

Working knowledge of mathematics, engineering formulas, and techniques relative to the area of specialization;

Working knowledge of applicable County, State, and Federal laws, codes, and regulations;

Considerable knowledge of the program area of involvement, with the ability to answer inquiries;

Ability to conduct research and evaluate data;

Ability to understand and interpret legal descriptions, engineering plans, maps, and field data;

Ability to prepare clear, concise, and well-documented technical reports;

Ability to apply basic engineering principles to the solution of problems.

**EMPLOYMENT STANDARDS:**

Any combination of education, experience, and training equivalent to:  
High school graduation or a G.E.D. issued by a state department of education; PLUS  
Two years of non-professional engineering work, as defined by the area to which assigned.

**CERTIFICATES AND LICENSES REQUIRED:**

None.

REVISED:

March 13, 2003

REVISED AND RETITLED:

November 16, 1992

ESTABLISHED:

February 25, 1985